

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
320 West 4th Street, Suite 200, Los Angeles, California 90013

**FACT SHEET
WASTE DISCHARGE REQUIREMENTS
FOR
CITY OF COMPTON
(MUNICIPAL WATER SUPPLY WELLS)**

**NPDES NO. CAG994005
CI-8147**

FACILITY ADDRESS

(Various locations within
City of Compton, see table below)

FACILITY MAILING ADDRESS

205 S. Willowbrook Avenue
Compton, CA 90220

PROJECT DESCRIPTION:

City of Compton Municipal Water Department operates five potable water supply wells located within its city boundary. The discharges covered by this permit include groundwater from potable water supply wells generated during well purging for data collection purposes, groundwater extracted from major well-rehabilitation and redevelopment activities, and groundwater generated from well drilling, construction and development.

The well rehabilitation process requires shutting down the well, removing the well pump, adding acid into the well, and swabbing the well casing. After the reaction period, the sediments are airlifted into a holding tank. The pH will then be adjusted and the sediments will be allowed to settle in the tank. The final step of the rehabilitation process is to surge and chlorinate the well. Subsequently, the pump is reinstalled and the well is developed. The pumped groundwater will be collected into sedimentation tanks and will be dechlorinated before being discharged into the storm drain.

The City of Compton operates the following potable water supply wells:

Well Number	Location	Latitude	Longitude	Receiving Waterbody
11	841 West Greenleaf	33° 52' 51"	118° 14' 19"	Compton Creek
13	760 E. Caldwell	33° 53' 05"	118° 12' 49"	Compton Creek
15	345 West Glencoe	33° 52' 54"	118° 13' 36"	Compton Creek
17	480 W. Compton Blvd.	33° 53' 44"	118° 13' 47"	Compton Creek
18	1806 N. Santa Fe	33° 54' 34"	118° 12' 54"	Compton Creek

VOLUME AND DESCRIPTION OF DISCHARGE:

Approximately 3 million gallons per day of groundwater will be discharged per well during well development and subsequent pumping and aquifer tests. This high rate of discharge is necessary to properly test the aquifer to determine the productive capacity and to properly size the well pumps. This high flow, short-term discharge will last up to one week. The discharge flows into the storm water catch basins located near the facility that drains into Compton Creek, thence to the Los Angeles River, a water of the United States. The site location map is shown in Figures 1.

APPLICABLE EFFLUENT LIMITATIONS

Based on the information provided, the analytical data did not show reasonable potential for toxics to exist in groundwater above the Screening Levels for Potential Pollutants of Concern in Potable Groundwater in Attachment A. Therefore, the effluent limits for toxic compounds in Section E.2. are not applicable to your discharge. The discharge flows into Compton Creek that has a designated beneficial use of MUN(Potential). The effluent limitations in Attachment B.7.e. are applicable to your discharge.

This table lists the specific constituents and effluent limitations applicable to the discharge.

Constituents	Units	Discharge Limitations	
		Daily Maximum	Monthly Average
Total Dissolved Solids	mg/L	1500	
Sulfate	mg/L	350	
Chloride	mg/L	150	
Nitrogen ¹	mg/L	8	
Total Suspended Solids	mg/L	150	50
Turbidity	NTU	150	50
BOD ₅ 20°C	mg/L	30	20
Settleable Solids	ml/L	0.3	0.1
Residual Chlorine	mg/L	0.1	

FREQUENCY OF DISCHARGE:

The discharge of groundwater will be intermittent and seasonal.

REUSE OF WATER:

¹ Nitrate-nitrogen plus nitrite nitrogen.

City of Compton
Compton Municipal Water Department

CAG994005

Offsite disposal of waste is not feasible due to high cost of disposal. Discharge to the sewer is not feasible because of inaccessibility and the high cost of sewer connection. The property and the immediate vicinity have no landscaped areas that require irrigation. Since there are no feasible reuse options, the groundwater will be discharged to the storm drain.